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India  
Dated 9<sup>th</sup> July 2009

To,

United States Patent and Trademark Office,  
Randolph Building,  
401 Dulany Street,  
Alexandria, VA 22314,  
The United States of America.

Dear Sir,

Subject: Response to the Examination Report.  
Reference: Application Numbered 10568192  
Applicant: Padam Singh  
Examiner: John Rivel  
Art Unit: 3753  
PCT Number: PCT/IN2004/000243  
Title: A LIQUID SEAL FOR RECOVERING FLARED GAS

The following shall be taken as my response to the Examination report:

1. Considering the documents cited, I agree with the examiner that Claim 1 and Claim 2 do not seem to consist of a patentable matter in totality. I thus propose to not claim the disclosure shown in the Claim 1 (a) and Claim 1 (b), while limiting my claim to the statements below the Claim 1 (b). I propose to totally delete Claim 2.
2. I propose to amend the Claim 3, which shall be renumbered as Claim 1 due to the deletion of originally numbered Claim 1 & 2, as follows:

A device comprising of:

- (a) a bent tube of U shape, such U-tube having one arm connected to the pipe collecting all the vented gas released from the plant, and other arm connected to a liquid holder;
- (b) a pipe, fitted with a non-return valve, connecting the bottom of the liquid



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holder to the bottom of the U-tube;

(c) the top of the liquid holder connected to the piping leading to the flare stack;

wherein there is provided a piping connecting the tip of one arm of the U-tube to the pipe connecting top of the liquid holder; the U-tube and the liquid holder forming a structure so as to form the only passage available for the gas to escape from the plant to the flare stack; such gas escaping from the plant to the flare only when the liquid in the said U-tube has been completely displaced into the liquid holder due to the pressure applied by such escaping gas.

The statement

*(a) a bent tube of U shape, such U-tube having one arm connected to the pipe collecting all the vented gas released from the plant, and other arm connected to a liquid holder;*

*(b) a piping, fitted with a non-return valve, connecting the bottom of the liquid holder to the bottom of the U-tube;*

*(c) the top of the liquid holder connected to the piping leading to the flare stack;*

provides a description of the construction of the liquid seal and is not intended to be claimed, while the part of the statement

*wherein there is provided a piping connecting the tip of one arm of the U-tube to the pipe connecting top of the liquid holder; the U-tube and the liquid holder forming a structure so as to form the only passage available for the gas to escape from the plant to the flare stack; such gas escaping from the plant to the flare only when the liquid in the said U-tube has been completely displaced into the liquid holder due to the pressure applied by such escaping gas*

has been taken from the original Claim 1 as I believe this feature is novel and my intention is to claim this novelty.

3. I propose to amend the Claim 4 (f) whereby the word *restricted* is deleted as an orifice described in the specification is understood to be controllable. The Claim 4 shall now be renumbered as Claim 2 and the Claim 2 (f) now reads:

*a second pipe means originating from between the said second KOD means and the second liquid seal means carrying the gas to the recovery means; such second pipe means provided with a orifice to control the flow of gas from*

is.



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*within it to the said recovery means.*

4. The Claims 5 & 6 have been renumbered as Claim 3 and Claim 4 and are exactly as originally filed but corrected to depend on the new Claim 2.
5. I propose to delete the original Claim 7 as it does not define the invention in any technical term.
6. I further wish to cancel the POWER OF ATTORNEY given to my attorneys and shall be further prosecuting the application myself.
7. I wish all communication to be sent to the following address in The United States of America:

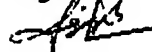
Shikhar Singh,  
916 W. Victoria Ave.,  
Apt # 208,  
Montebello,  
Ca- 90640,  
United States of America.

8. Other than the changes brought about in this document, I wish the Office to consider the application as amended at International stage under Article 34 of PCT.
9. A Claims sheet consisting all FOUR Claims accompanies this submission. [Amended]
10. I have changed my residence in India and the address appearing on the records of USPTO needs to be changed. My new address in India is:

Padam Singh,  
C - 704, Harshvardhan,  
185, Sakl Vihar Road,  
Andheri (East),  
Bombay 400072,  
India

I hope that the Office shall be satisfied with our arguments presented here and prosecute the application further.

Regards



Padam Singh  
(Applicant)

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